



I - PRODUCT IDENTIFICATION AND USE				MSDS ID: 57295	
PRODUCT NAME: SUMA ADVANTAGE P7.1					
USE: Machine dish detergent					
SUPPLIER: JohnsonDiversey Canada, Inc. 2401 Bristol Circle Oakville Ontario, L6H 6P1, Canada			EMERGENCY PHONE: 1-800-668-7171		
WHMIS CLASSIFICATION: E CHEMICAL FAMILY: caustic alkali			TRADE NAME / SYNONYMS: not applicable CHEMICAL NAME: not applicable		
II - HAZARDOUS INGREDIENTS					
HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species	
Sodium hydroxide	30-60	001310-73-2	LDLo 500 mg/kg	oral/rab	
Tetrapotassium pyrophosphate	10-30	007320-34-5	LD50 2980 mg/kg	oral/rat	
III - HANDLING AND DISPOSAL PROCEDURES					
PERSONAL PROTECTIVE EQUIPMENT: Gloves: Natural Rubber, Neoprene, Nitrile Eye: safety goggles Footwear: as required Respiratory: Not normally required. Other: Rubber apron as required					
SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact. If mists are generated, use NIOSH approved mask.					
VENTILATION REQUIREMENTS: General ventilation.					
INCOMPATIBILITY (Material to Avoid): Acids, aluminum and other soft metals.					
SPILL PROCEDURES: Sweep or scoop up material for disposal. Wash spill area with large volumes of water.					
WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.					
STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. Avoid freezing. UN1824					
IV - PHYSICAL PROPERTIES					
APPEARANCE / ODOUR: White creamy, viscous liquid					
S.G. / BULK DENSITY(g/cc): 1.62			pH: (1% solution) 12.5		
VAPOUR PRESSURE (mmHg): not applicable			VAPOUR DENSITY (air=1): not applicable		
ODOUR THRESHOLD: not applicable			BOILING POINT: approx. 100		
FREEZING POINT: not available			PERCENT VOLATILE: 36 %		
SOLUBILITY IN WATER: soluble			EVAPORATION RATE (water=1): 1		
V - TOXICOLOGICAL PROPERTIES					
EFFECTS OF ACUTE EXPOSURE TO MATERIAL: EYES: Corrosive. May cause severe irritation. May cause permanent damage if not treated promptly. SKIN: Corrosive. May cause severe irritation. May cause temporary or permanent damage if not treated promptly. INGESTION: Corrosive. May cause severe irritation of the digestive tract. May cause temporary or permanent damage if not treated promptly. INHALATION: Corrosive. Inhalation of spray or mist may cause severe respiratory irritation.					
LD50 (calculated): 1227 mg/kg			LC50 (calculated): Not applicable		
OTHER TOXIC EFFECTS: TLV - TWA (Sodium hydroxide): 2 mg/m3					

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: none known

VI - FIRST AID MEASURES

EYES: Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately

SKIN: Flush affected area thoroughly with water. If irritation develops, contact a physician.

INGESTION: Drink large volumes of water . Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately.

INHALATION: Remove patient to fresh air. Get medical attention for any breathing difficulty.

VII - FIRE AND EXPLOSION DATA

FLAMMABLE: No

FLASH POINT, °C: not applicable

AUTO IGNITION TEMPERATURE, °C: N/Ap

EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon.

EXPLOSIVE SENSITIVITY TO: not applicable

VIII - REACTIVITY DATA

STABILITY: Stable [x] Unstable []

CONDITIONS TO AVOID: Avoid freezing

INCOMPATIBILITY (Material to Avoid) : Acids, aluminum and other soft metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Heat released on contact with acids. Contact with aluminum or other soft metals generated hydrogen gas

REACTIVITY: not dangerously reactive.

IX - MSDS PREPARATION

SOURCES USED: RTECS, ChemInfo

PREPARED BY: JohnsonDiversey Canada, Inc.
Regulatory Department
Institutional Division
Phone (905) 829-1200

PREPARATION DATE: April 15, 2003

Information on this form is furnished in compliance with the Regulations respecting Controlled Products under the Hazardous Products Act and is not to be used for any other purpose, nor is it to be reproduced or published. JohnsonDiversey Canada assumes no responsibility for injury to any person or property resulting from any use of the material if reasonable safety procedures are not adhered to. In addition, JohnsonDiversey Canada assumes no responsibility for injury to any person or property resulting from any abnormal use or theft of the material, even if reasonable safety procedures are followed. Each user assumes the risk in his use of the material and should review the data and recommendations in the specific context of the intended use.